

Amendments to the Specification:

Please replace the third full paragraph on page 2 with the following amended paragraph:

As shown in Figure 2, the Destination Point Code (DPC) indicates Code (DPC) indicates the destination point of the message. The Origination point code (OPC) indicates the originating point of the message. The coding of these codes is in pure binary. Within each field, the least significant bit occupies the first position and is transmitted first. And the ~~signalling~~ signaling link selection (SLS) filed is used, where appropriate, in performing load sharing.

Please replace the second and third full paragraphs on page 3 with the following amended paragraphs:

As shown in Figure 1, the routing of the signal traffic is determined from the first signal point A to the sixth signal point F. There are two available links at the link set from the first signal point to a neighboring signal point. The first link is set so that the SLS transfers a signal message of 0000~[[01111]]0111, and the second link is set so that the SLS transfers a signal message of 1000~1111.

When a traffic in which the SLS value is 0000~[[01111]]0111 is transferred to the signal point A of the assumed No. 7 signaling network, a signal message routing is performed only for the first link based on a load distribution of the link set, and the signal message routing is not actually performed for the second link. In the related art, since the SLS of the signal message is previously defined and is used, even when more than two links are available

in the link set, a signal traffic is concentrated on a certain link (for example, the first link), the availability and reliability of the link are significantly decreased in the No. 7 signaling network. The above references are incorporated by reference herein where appropriate for appropriate teachings of additional or alternative details, features and/or technical background.

Please replace the first full paragraph on page 11 with the following amended paragraphs:

As a result of the check, if the signal message having Z of the SLS at a corresponding link set is routed in the past as a result of the check of the step S73, the link corresponding to the MSG_HISTORY_LKS is determined as a link for transferring the message in step S75. As a result of the check, if the signal message having Z of the SLS is not routed in a corresponding link set in the past, the link corresponding to the SLK_SELECTOR is determined as a link for transferring the message in step S77.